

### ABSTRACT OF THE DISCLOSURE

A flat panel for a cathode ray tube for preventing a screen image from being shown concavely to a user or viewer includes a flat outer surface and a non-spherically formed inner surface, the non-spherically formed inner surface satisfying formula 1:

$$y_1 \leq y_2 \quad (\text{formula 1})$$

wherein  $y_1$  represents a vertical distance between the outer surface and a refracted screen image on a central axis of the panel, and  $Y_2$  represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel, and the panel has a high transmission ratio equal to or greater than about 60% for preventing degradation of luminance due to a difference in thickness between a central section and a peripheral section of the panel.